



Borough of Macclesfield.

REPORT

ON THE

Health of Macclesfield

FOR THE YEAR 1917.

BY

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BOROUGH OF MACCLESFIELD.

The following 18 members of the Town Council constitute the Health Committee :—

Chairman :—Mr. Alderman Pickford.

The Mayor (Mr. Alderman Crew).

Mr. Alderman Bailey.

„ Bradley.

„ Brocklehurst., M.P.

Mr. Councillor Beard.

„ Brocklehurst.

„ W. R. Brown.

„ Cooper.

„ Cotterill.

„ Eaton.

„ J. G. Frost.

„ N. Frost.

„ Hall.

„ Hyde.

„ Knight.

„ Newbald.

„ Wardle.

There are three Sub-Committees :—

Sewerage WorksChairman : Mr. Councillor J. G. Frost.

Hospitals Chairman : Mr. Alderman Bailey.

Cleansing Chairman : Mr. Alderman Bradley.

The Rateable value of the Borough is £122,402 10s. od.

The Poor Rate 1917—18 is Five shillings and Eightpence.

District Rate 1917—18 is Two shillings and elevenpence in the £.

Total Rates, Eight shillings and sevenpence in the £.

A Penny in the £ on the District Rate produces about £400.

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A N N U A L R E P O R T
OF THE
Medical Officer of Health
FOR THE
YEAR ENDING DECEMBER 31st, 1917.

* * * * *

To the Mayor and Members of the Macclesfield
Town Council.

MR. MAYOR AND GENTLEMEN,

I have the honour to submit for your consideration my nineteenth Annual Report on the Health and Sanitary administration of the Borough of Macclesfield. The Report is again reduced to the irreducible minimum and yet I trust it will be found to contain the principal vital statistics and such comments and suggestions therein as are of practical value at the present time.

The **Population** of the town is stated by the Registrar General to be 29,634, for purpose of calculating the death-rate and 33,034 for purpose of calculating the birth-rate. The first figure 29,634 is the estimate of the present civilian population.

The other figure, 33,034, is based on the assumption that the ratio between total and civilian population is the same in this district as in England and Wales.

PRINCIPAL VITAL STATISTICS FOR 1917.

BIRTHS 439, last year 545. Birth-rate per 1,000 of population taking the figure 33,034 as the yearly population—13.2 as compared with 16.0 last year.

DEATHS of inhabitants of the Borough 456.

Death-rate per 1,000 of population taking 29,634 as the population 15.3, last year 16.3.

Deaths of Infants under one year of age, 44 last year 52.

Infantile death-rate per 1,000 born—100.0 compared with 98.6 last year.

Zymotic death-rate—0.5 per 1,000 of population compared with 0.3 per 1,000 last year.

Thus, the birth-rate is the lowest ever recorded.

The general death-rate is reduced by one per thousand, the Infantile and Zymotic death-rates are slightly worse than last year.

BIRTHS AND BIRTH-RATES.

439 births were registered during the year as compared with 545 in the previous year.

Of these 439, three were of persons who did not belong to this town.

The figures correspond to a birth-rate of 13.2 per 1,000 of estimated population as compared with 16.0 last year and 17.8 for England and Wales, 18.1 for the 96 great towns, and 18.0 for the 148 smaller towns.

Our birth-rate is thus much below that of the country generally, and inevitably indicates that our population is declining.

Of the 439 births, 231 were boys and 208 girls.

ILLEGITIMATE BIRTH-RATES.

31 births were registered as illegitimate or 7 per cent. of the births registered.

Although the total number of illegitimate births registered is lower than last year, the percentage is high.

DEATHS.

601 deaths were registered in the Borough during the year.

145 of these were of persons who did not belong to the district.

Deducting these it leaves a total of 456 deaths of persons belonging to the Borough which corresponds to a death-rate of 15.3 per 1,000 of estimated population compared with 16.3 last year, 14.4 for

England and Wales, and 13.9 for the 148 smaller towns with which Macclesfield is comparable.

These smaller towns have populations varying between 20 and 50 thousand of population.

Our death-rate was considerably over that prevailing in similar areas.

PRINCIPAL DEATH-RATES FOR THE YEAR COMPARED WITH THE PREVIOUS YEARS.

| | | |
|------------------------------|-----------------|------|
| Zymotic death-rate | 0.5 ; last year | 0.3, |
| Phthisis death-rate | 0.8 ; do. | 1.0. |
| Respiratory death-rate | 1.8 ; do. | 2.2. |
| Infantile death-rate | 100 ; do. | 98. |
| Cancer death-rate | 1.8 ; do. | 1.0. |

The cancer death-rate has considerably increased and is due to a larger proportion of persons of an age peculiarly liable to cancer living in the Borough.

The Infantile mortality rate is most unfortunately increased by a larger number of deaths from diarrhoeal diseases—7 as compared with 5 for last year—and respiratory diseases—7 as compared with 9 in 1916.

DISTRICT MORTALITY.

As I have no means of knowing the **present** population of the various Wards in the town, I have briefly set out the numbers of deaths in each Ward, and some of the principal causes of these deaths.

| | No. of deaths. | Zymotics. | Under 1 year. | Respira- tory. |
|----------------|-------------------|-----------|------------------|-------------------|
| No. 1 Ward ... | 80 | 2 | 9 | 8 |
| „ 2 „ ... | 71 | 4 | 13 | 7 |
| „ 3 „ ... | 127 | 4 | 11 | 12 |
| „ 4 „ ... | 76 | 2 | 5 | 11 |
| „ 5 „ ... | 61 | 4 | 5 | 8 |
| „ 6 „ ... | 41 | 1 | 1 | 8 |
| TOTALS ... | 456 | 17 | 44 | 54 |

SEASONAL MORTALITY.

| | | | | | |
|---------------|---------------------|-------|-----------|------|------|
| Deaths during | 1st quarter of year | 152 ; | last year | 143. | |
| Do. | 2nd | do. | 122 ; | do. | 128. |
| Do. | 3rd | do. | 76 ; | do. | 97. |
| Do. | 4th | do. | 106 ; | do. | 118. |

The numbers of death of infants under one year of age, and of persons over 65 years of age, were :—

| | | | |
|--------------------|-----|--------------------------------|--------------|
| During 1st quarter | 16 | under 1 year ; & over 65 years | 63 |
| Do. 2nd | do. | 11 | do. ; do. 51 |
| Do. 3rd | do. | 7 | do. ; do. 30 |
| Do. 4th | do. | 10 | do. ; do. 45 |
| | | — | — |
| TOTALS | 44 | | 189 |

The first quarter of the year bears the heaviest death-rate and this falls most severely on the extremes of life. It coincides with the lowest air temperatures and the greater prevalence of respiratory infections associated with defective ventilatory and crowding together for warmth and the increased liability to infection which is peculiar to the infant and aged person.

I next submit a Table showing the deaths which have occurred during the year classified in age groups and causes.

**DEATHS IN MACCLESFIELD FOR YEAR,
ENDING DECEMBER 31st, 1917.**

TOTAL FOR BOROUGH.

| Cause of Death. | Under | | | | 15- | 25- | 45- | Over | T'tl |
|--|-------|------|------|------|------|------|------|------|------|
| | 1 | 1-2 | 2-5 | 5-15 | 25 | 45 | 65 | 65 | for |
| | Year | Yrs. | Yrs. | Yrs. | Yrs. | Yrs. | Yrs. | Yrs. | B'gh |
| Measles | ... | 2 | 1 | ... | ... | ... | ... | ... | 3 |
| Diphtheria & Croup.. | ... | ... | 3 | 2 | ... | ... | ... | ... | 5 |
| Diarrhœa & Enteritis | 7 | 1 | ... | 1 | ... | ... | ... | ... | 9 |
| Influenza | ... | ... | ... | ... | ... | 1 | ... | 4 | 5 |
| Pulmonary Tuber- culosis..... | ... | ... | ... | ... | 7 | 10 | 4 | 4 | 25 |
| Tubercular Meningitis | 1 | ... | ... | 1 | ... | ... | ... | ... | 2 |
| Other Tuberculous Diseases | 1 | 1 | ... | 1 | ... | 2 | 3 | 1 | 9 |
| Cancer (Malignant Disease) | ... | ... | ... | ... | ... | 2 | 29 | 21 | 52 |
| Organic Heart Dis- ease | ... | ... | ... | ... | 3 | 9 | 28 | 38 | 78 |
| Bronchitis | 6 | 1 | ... | ... | ... | ... | 8 | 12 | 27 |
| Broncho-pneumonia | 2 | 2 | 1 | ... | ... | ... | 2 | 1 | 8 |
| Pneumonia (all other forms) | 1 | 1 | 3 | ... | ... | 3 | 4 | 4 | 16 |
| Other Respiratory Diseases | ... | ... | ... | ... | ... | 1 | 2 | ... | 3 |
| Cirrhosis of Liver ... | ... | ... | ... | ... | ... | 1 | 2 | 1 | 4 |
| Nephritis & Bright's Disease | ... | ... | ... | 1 | ... | 1 | 11 | 4 | 17 |
| Other Acc. & Dis. of Pregnancy & Par- turation | 1 | ... | ... | ... | ... | ... | ... | ... | 1 |
| Congenital Debility Malformation and Premature Birth.. | 14 | 1 | ... | 1 | ... | ... | ... | ... | 16 |
| Violent Deaths (ex- cluding Suicides).. | 1 | ... | 2 | 2 | 1 | 1 | 4 | 6 | 17 |
| Suicides | ... | ... | ... | ... | ... | ... | 2 | ... | 2 |
| Other Defined Dis- eases | 7 | 1 | 1 | 1 | 2 | 16 | 33 | 93 | 154 |
| Ill-defined or unknown Diseases | 3 | ... | ... | ... | ... | ... | ... | ... | 3 |
| Totals | 44 | 10 | 11 | 10 | 13 | 47 | 132 | 189 | 456 |
| Last Year ... | 52 | 9 | 13 | 12 | 20 | 50 | 121 | 209 | 486 |

INFANTILE MORTALITY

44 children under one year of age died during 1917, compared with 52 during 1916, and 87 in 1915.

Owing to the diminished number of births, however, the infantile death-rate calculated per 1,000 born, is 100 per 1,000 born as compared with 98 per 1,000 last year.

This rise in the infant death-rate is not, however, peculiar to this town as the rate of England and Wales for 1917 was 6 per 1,000 births higher, viz., 97 compared with 91 in 1916, and 3 per 1,000 higher in the 146 smaller towns, viz., 93 per 1,000 compared with 90 in 1916. In this latter group Macclesfield falls.

QUARTERLY INFANTILE MORTALITY.

The deaths under one year of age are classified in months and quarters.

| 1st Quarter. | | 2nd Quarter. | | 3rd Quarter. | | 4th Quarter. | |
|--------------|----|--------------|----|--------------|---|--------------|----|
| Jan. | 11 | April ... | 4 | July ... | 4 | Oct. | 2 |
| Feb. | 2 | May ... | 4 | Aug. ... | 1 | Nov. | 4 |
| Mar..... | 3 | June ... | 3 | Sept. ... | 2 | Dec. | 4 |
| T'tl Deaths | | | | | | | |
| | 16 | | 11 | | 7 | | 10 |

The highest mortality coincides with the coldest months of the year and is largely attributable to infectious bronchial diseases often transmitted to the infants by adults suffering from a "Common Cold," an infectious nasal catarrh.

20 out of the 44 deaths occurred during the first four weeks of life and 10 more between the end of the first and third months.

So that 30 out of the 44 deaths occurred during the first three months of life.

**PRINCIPAL CAUSES TO WHICH THE INFANT
DEATHS WERE ASSIGNED.**

| | 1917. | 1916. | 1915. |
|--|-------|-------|-------|
| Diarrhœa | 3 | 3 | 3 |
| Enteritis | 4 | 1 | 3 |
| Premature Birth | 9 | 8 | 17 |
| Congenital Malformation... | 3 | 3 | 2 |
| Atrophy, Debility, Maras- mus | 3 | 9 | 9 |
| Pneumonia | 3 | 4 | 11 |
| Bronchitis | 5 | 4 | 4 |
| Convulsions | 2 | 5 | 13 |
| Syphilis | 3 | 4 | 4 |

There is a slight increase in the diarrhœal diseases and a marked diminution in the Atrophy, Debility and Marasmus group. This is a matter for congratulation and suggests that the care now bestowed by the Public Health Society is producing very good results. I trust this improvement will be steadily maintained.

DISTRICT INFANTILE MORTALITY.

Number of deaths under one year of age.

| | |
|--------------|----|
| Ward 1 | 9 |
| „ 2 | 13 |
| „ 3 | 11 |
| „ 4 | 5 |
| „ 5 | 5 |
| „ 6 | 1 |
| | — |
| Total | 44 |
| | — |

NOTIFICATION OF BIRTHS ACT.

This Act was adopted by the Council and came into force in April, 1908.

During 1917 the following number of notifications were received :—

| | |
|----------------------------|-----|
| Notified by Midwives | 393 |
| Do. Doctors | 12 |
| Do. Parents | 29 |
| Do. Workhouse Master | 5 |
| | — |
| Total | 439 |

This means practically that all births are notified, and extended experience confirms this view.

DAY NURSERY.

On July 5th, I submitted a report to the Health Committee on the Need for a Day Nursery or Crèche in Macclesfield. This report is published on pages 3462 to 3465 of the Minutes of that Committee. The Committee considered the Report and decided to visit a Day Nursery already established. This was done and a visit paid to the Stockport Day Nursery.

At a meeting of the Health Committee held on November 15th, I submitted a further Report on the suggested Day Nursery for Macclesfield.

I reported that a suitable house had been found at No. 1, Glegg Street, which could accommodate 25 children and a staff of seven.

It was estimated that the annual expenditure would be about £600, and the initial expenditure for furniture, equipment, and alterations and additions to premises about £280.

Assuming the 25 children paid eightpence a day for six days a week and a further fourpence a day was received as Grant from the Board of Education here, it appeared that the balance of annual expenditure over income would be about £227.

After discussing the Report, the Committee resolved to give a donation of £100 towards the initial expenditure of a Day Nursery, but do not commit themselves to any further contribution in connection therewith.

To this extent therefore, the Health Committee have supported what I believe to be a most valuable addition to the life-saving and health conserving Institutions of the town, and one which should be extended by the establishment of more Nurseries and Nursery Schools.

THE PUBLIC HEALTH SOCIETY.

This Society, founded in 1902, has been a constant inspiration and active participator in all movements, having for their object the betterment of the child life of the town.

The public owe a great debt to those self-denying ladies, who for years have, in spite of discouragement, steadily striven to improve

the surroundings and reduce the risks of the young life of the Borough. This Society celebrated its first Baby Week during 1917, and as a permanent memento thereof, determined on the establishment of a Day Nursery, particulars of which I have already given.

THE SCHOOL FOR MOTHERS.

This work is also carried on under the auspices of the Public Health Society at 43, Park Green, Macclesfield.

The Health Visitors work in connection with the School.

One (Nurse Tharme) is a whole-time health visitor, and one (Nurse Finigan) is half-time health visitor and half-time School Nurse.

Whilst a Midwife is in attendance the Health Visitor does not take the case under her care, but usually commences to supervise the case some 10 or 12 days after birth. I think it ought to be possible to visit every infant born once a month during the first year of life at least, and oftener if necessary.

The attendance of mothers at the School declined during the year from 3,594 to 2,223; this was attributable to the larger number of women in employment and the prevalence of two severe epidemics of children's diseases, when attendance with young children was not encouraged.

The Sand Garden and Girls' Club were run as usual, and it is most satisfactory to be able to record that in spite of adverse circumstances their existence was a success.

WORK DONE BY HEALTH VISITORS.

| | |
|---|-------|
| Number of visits paid to Infants (first visits)..... | 371 |
| Total number of visits made (second and subsequent) | 2,847 |

During the year the Measles epidemic was responsible for much of the Health Visitor's time. It was considered desirable to divert their energies from infant visiting to visiting cases of Measles and where necessary advising parents, &c., as to the steps to be taken to prevent the spread of infection &c.

The Health Visitors are not to be considered as Nurses. This is not their function, and when Measles is epidemic there is abundant room for much needed nursing facilities, and I would here call the

attention of the Health Committee to the great need for increased **nursing** provision in this town during times of epidemic disease especially.

I am further of opinion that the present midwife service is inadequate for the town and that encouragement should be given by subsidy or otherwise to young midwives to settle and practice in this area. I consider that a great need exists for improved nursing of children during epidemics and better attendance on mothers during parturition.

Both these factors are concerned in the infant death-rate.

Any expenditure incurred by this authority in providing increased nursing accommodation for children suffering from Measles, Whooping Cough, &c., is recoverable from the Local Government Board to the extent of fifty per cent.

MATERNITY CENTRE AND SCHOOL CLINIC,

In conclusion, I would point out that close association is maintained between the work of the Maternity Centre and the School Clinic, so that the whole career of the child from birth to the time of entrance to a public Elementary School is as far as possible with our present facilities kept under observation.

In conclusion, it is noteworthy that of the 44 children who died 19 had succumbed before they were eligible for visitation by the Health Visitors.

Of the 25 visited by the Health Visitors, 8 were breast fed babies ; 13 were bottle fed babies ; 4 were partly bottle and partly breast fed.

List of cases attending the Maternity Centre to consult the Medical Officer of Health for advice during the year 1917 :—

Number of cases advised and followed up were :—

| | |
|------------------------|---|
| Rickets | 2 |
| Umbilical Hernia | 3 |
| Tonsils | 2 |
| Adenoids..... | 3 |
| Eczema | 2 |
| Mastitis | 1 |
| Feeding | 9 |

General Debility :

| | |
|------------------------------------|----|
| Marasmus | 1 |
| Constipation | 2 |
| Various : | |
| Older children, 3 to 5 years | 8 |
| Total | 33 |

Average : 3 weekly.

Of these cases { 14 are quite better.
 { 3 have left district.
 { 16 are still under treatment.

45 visits were made to the Centre by the M. O. H.

60 do. do. Mothers, actual.

90 do. homes, (mothers exp'g), by the Health
Visitors.TUBERCULOSIS.

| | | |
|-----------------------|-------------------------------|----|
| Number of deaths from | Pulmonary Tuberculosis ... | 25 |
| all forms of Tubercu- | Tuberculous Meningitis ... | 2 |
| losis | 36 Other Tuberculous Diseases | 9 |

Last year there were 46 deaths from all forms of Tuberculosis—
 34 from Pulmonary, 3 from Meningeal form, and 9 from all other
 forms.

This year's returns are very satisfactory. Twenty-five of the
 deaths were in men at the average age of 46 years ; ten of the deaths
 were in women at the average age of 32 years.

The death-rate from Pulmonary Tuberculosis is 0.9 per 1,000
 of population.

Ninety-six notifications were received compared with 137 during
 1916.

| | | |
|---|----|---------|
| Notified by Medical Practitioners | 73 | Form A. |
| Notified by Medical Officers of admission of a case to Institution | 16 | „ C. |
| Notification of discharge from Institutions ... | 7 | „ D. |
| Total | 96 | |

The notifications by Medical Practitioners is markedly declining and this associated with a reduction in the number of deaths clearly indicates a diminution in the prevalence of this disease.

On receipt of a notification from a Medical Practitioner of a case occurring in his practice, careful enquiries are made by the Inspector and a full report thereon made by him to the Medical Officer of Health

If the home conditions are unsatisfactory every effort is made to get the surroundings improved and instruction is given as to the best methods of preventing the spread of infection. If the sufferer is an insured person, he is urged to apply for Sanatorium benefit and may then receive either Institutional or Domiciliary treatment, the latter with food accessories if deemed necessary by the County Insurance Committee.

The Cheshire County Council have now made arrangements by which uninsured persons can be received into a Sanatorium at their expense. This is useful in the case of children and women.

After the death of a person suffering from Tuberculosis, the house is disinfected and the bedding, &c., sent to the Steam Disinfector.

School children living in a house where there is a case of Tuberculosis are required to attend periodically at the School Clinic and are weighed and examined at intervals and suitable treatment advised where it is deemed necessary. It is thus hoped to keep in touch with a large and important group of "contact cases" and to prevent them developing the disease. The County Council have rooms at Pear Tree House, Jordangate, which are used as a Tuberculosis Dispensary and efforts are being made to establish a local after-care committee to supervise the persons who have returned home after receiving Institutional treatment.

The National Insurance Act is, I think, doing good work in this connection by enabling persons to obtain early medical treatment whilst in a weak, anæmic and pretuberculous state.

The following tables show the sex, age, and distribution of the cases of Pulmonary and other forms of Tuberculosis notified.

AGE PERIODS.

| | Under 1 year | | 1-5 | | 5-15 | | 15-25 | | 25-45 | | 45-65 | | Over 65 | | Totals. | |
|-----------------------------------|--------------|-----|-----|-----|------|----|-------|----|-------|----|-------|-----|---------|-----|---------|----|
| | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. |
| Pulmonary Tuberculosis | ... | ... | ... | ... | 1 | 4 | 3 | 8 | 26 | 8 | 4 | 2 | 1 | 2 | 35 | 24 |
| Other Forms of Tuberculosis | ... | 1 | ... | 2 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | ... | ... | ... | 6 | 8 |
| Combined Totals | 1 | 2 | 9 | 14 | 37 | 7 | 3 | 73 | | | | | | | | |

DISTRICT NOTIFICATIONS.

| | Ward 1 | | Ward 2 | | Ward 3 | | Ward 4 | | Ward 5 | | Ward 6 | | Total. | |
|-----------------------------------|--------|----|--------|----|--------|----|--------|-----|--------|-----|--------|-----|--------|----|
| | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. |
| Pulmonary Tuberculosis | 4 | 2 | 14 | 4 | 7 | 5 | 3 | 3 | 1 | 8 | 6 | 2 | 35 | 24 |
| Other Forms of Tuberculosis | 1 | 2 | 1 | 1 | 1 | 5 | 2 | ... | 1 | ... | ... | ... | 6 | 8 |
| Combined Totals | 9 | 20 | 18 | 8 | 10 | 8 | | | | | | | 73 | |

Of the 20 cases in No. 2 Ward, 8 were notified from Parkside Asylum.

The 14 cases of other forms of Tuberculosis were as follows :—

| | Male. | | Female. | Total. |
|-------------------------|-------|-------|---------|--------|
| Hip and Shoulder | 1 | ..... | — | 1 |
| Elbow | 1 | ..... | — | 1 |
| Mesenteric Glands | 1 | ..... | 1 | 2 |
| Spine | 1 | ..... | — | 1 |
| Femur | 1 | ..... | — | 1 |
| Intestinal Tubercular | | | | |
| Enteritis ..... | — | ..... | 1 | 1 |
| Cutis-Cheek ..... | — | ..... | 1 | 1 |
| Cervical Glands | 1 | ..... | 2 | 3 |
| Knee ..... | — | ..... | 1 | 1 |
| Hip ..... | — | ..... | 1 | 1 |
| Cerebral Meninges..... | — | ..... | 1 | 1 |
| Totals | 6 | ..... | 8 | 14 |

The following received Institutional treatment :—

Pulmonary Tuberculosis.

| | Males. | | Females. | Total. |
|-------------------------|--------|-------|----------|--------|
| Sanatoria | 6 | ..... | 4 | 10 |
| Parkside Asylum | 5 | ..... | 3 | 8 |
| Workhouse Infirmary ... | 6 | ..... | 2 | 8 |
| Manchester Hospital ... | 1 | ..... | 0 | 1 |
| Childrens' Convalescent | | | | |
| Home | 1 | ..... | 0 | 1 |
| Totals | 19 | ..... | 9 | 28 |

Other Forms of Tuberculosis.

| | Males. | | Females. | Total. |
|-------------------------|--------|-------|----------|--------|
| General Infirmary | 3 | ..... | 2 | 5 |
| Workhouse Infirmary ... | 0 | ..... | 1 | 1 |
| Manchester Hospital ... | 0 | ..... | 1 | 1 |
| Totals | 3 | ..... | 4 | 7 |

During the year 22 houses were disinfected after the death or removal of the patient as against 45 last year.

Examination of Sputum.

During the year 60 specimens of sputum were sent to the Clinical Research Association for examination and report as to the presence of tubercle bacilli ; in 13 cases the result was positive.

THE ZYMOTIC DISEASES.

The seven Zymotic Diseases, viz.:—Smallpox, Measles, Scarlet Fever, Whooping Cough, Diphtheria, Typhoid Fever and Diarrhœa, were responsible for 17 deaths compared with 12 last year.

The Zymotic death-rate was 0.5 per 1,000 of population compared with 0.3 last year.

THE ZYMOTIC DISEASES.

The following table shows the deaths attributed to these diseases during the year:—

| Diseases. | 1.1. | 1916 | 1915 | 1914 | 1913 | 1912 | 1911 | 1910 | 1909 | 1908 |
|-------------------|------|------|------|------|------|------|------|------|------|------|
| Smallpox | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Measles | 3 | 0 | 12 | 0 | 1 | 6 | 0 | 4 | 4 | 19 |
| Scarlet Fever ... | 0 | 0 | 0 | 3 | 9 | 7 | 4 | 5 | 1 | 0 |
| Diphtheria | 5 | 4 | 3 | 3 | 4 | 2 | 1 | 3 | 3 | 8 |
| Whooping | | | | | | | | | | |
| Cough | 0 | 0 | 11 | 1 | 7 | 1 | 12 | 3 | 0 | 1 |
| Typhoid Fever.. | 0 | 1 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| Diarrhoea | 9 | 7 | 12 | 6 | 13 | 12 | 29 | 2 | 5 | 5 |
| Totals | 17 | 12 | 38 | 14 | 35 | 30 | 48 | 19 | 16 | 36 |

ZYMOTIC DEATH-RATE SINCE 1874, WITH QUINQUENNIAL
AVERAGES :—

| Years | Death-rate from the seven Zymotic Diseases. | Years. | Death-rate from the seven Zymotic Diseases |
|-------------|---|-------------|--|
| 1874 | 2.5 | 1899 | 2.6 |
| 1875 | 2.4 | 1900 | 1.8 |
| 1876 | 6.0 | 1901 | 1.6 |
| 1877 | 2.1 | c1902 | 0.3 |
| 1878 | 2.3 | 1903 | 0.9 |
| 1879 | 1.7 | 1904 | 2.3 |
| 1880 | 1.1 | 1905 | 1.6 |
| 1881 | 3.4 | 1906 | 1.5 |
| A1882 | 3.0 | 1907 | 0.8 |
| 1883 | 2.3 | D1908 | 1.0 |
| 1884 | 2.2 | 1909 | 0.4 |
| 1885 | 0.8 | 1910 | 0.5 |
| 1886 | 1.6 | 1911 | 1.5 |
| 1887 | 3.2 | 1912 | 0.8 |
| B1888 | 1.4 | 1913 | 1.0 |
| 1889 | 3.0 | 1914 | 0.8 |
| 1890 | 1.4 | 1915 | 1.1 |
| 1891 | 1.1 | 1916 | 0.3 |
| 1892 | 1.1 | 1917 | 0.5 |
| 1893 | 1.3 | | |
| 1894 | 1.6 | | |
| 1895 | 3.1 | | |
| 1896 | 3.2 | | |
| 1897 | 3.2 | | |
| 1898 | 1.8 | | |

A—Compulsory Notification came into force.
B—Isolation Hospital Opened.
c—Isolation Hospital Enlarged and Improved.
D—Isolation Hospital Enlarged and Improved.

DISTRICT ZYMOTIC DEATHS.

| | Ward 1 | Ward 2 | Ward 3 | Ward 4 | Ward 5 | Ward 6 |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Enteric Fever | 0 | 0 | 0 | 0 | 0 | 9 |
| Smallpox | 0 | 0 | 0 | 0 | 0 | 0 |
| Measles | 0 | 1 | 0 | 0 | 1 | 1 |
| Scarlet Fever | 0 | 0 | 0 | 0 | 0 | 0 |
| Whooping Cough | 0 | 0 | 0 | 0 | 0 | 0 |
| Diphtheria | 0 | 0 | 1 | 2 | 2 | 0 |
| Diarrhoea | 2 | 3 | 3 | 0 | 1 | 0 |
| Totals | 2 | 4 | 4 | 2 | 4 | 1 |

QUARTERLY ZYMOTIC DEATHS.

| | 1st Quarter. | 2nd Quarter. | 3rd Quarter. | 4th Quarter |
|----------------------|-----------------|-----------------|-----------------|----------------|
| Enteric Fever | 0 | 0 | 0 | 0 |
| Smallpox | 0 | 0 | 0 | 0 |
| Measles | 0 | 3 | 0 | 0 |
| Scarlet Fever..... | 0 | 0 | 0 | 0 |
| Whooping Cough | 0 | 0 | 0 | 0 |
| Diphtheria | 1 | 0 | 1 | 3 |
| Diarrhoea | 2 | 4 | 3 | 0 |
| Totals | 3 | 7 | 4 | 3 |

These figures may be considered fairly satisfactory.

Some of the Wards notably Wards 4 and 6, show an improvement.

The five deaths from diphtheria, 3 occurring in No. 4 Ward, is an unsatisfactory feature.

DIARRHOEA.

Number of deaths from Diarrhoea and Enteritis..... 9
 Last year 7

7 were under one year of age.

1 was between one year and two years of age.

1 was between five and fifteen years of age.

This slight increase in the numbers of deaths from the diarrhoeal diseases occurred in Wards 2 and 3, during the 2nd and 3rd quarters of the year. I have not been able to attribute any large proportion of these cases to insanitary surroundings.

MEASLES.

| | |
|---|-----|
| Number of deaths: | 3 |
| „ „ last year | 0 |
| Number of cases of Measles notified | 597 |
| „ „ German Measles notified | 80 |

Of the three deaths from Measles, two were between 1 and 2 years of age, and one between 2 and 5 years of age.

The following table and figures are of interest in connection with the epidemic.

MEASLES AND GERMAN MEASLES.
NOTIFICATIONS.

Age Periods.

| | Under 1 year. | 1-2. | 2-3. | 3-4. | 4-5. | 5-15. | 15-25. | 25-45. | 45-65. | Total. |
|----------------------|------------------|--------|--------|--------|------|-------|--------|--------|--------|--------|
| Measles | 19 ... | 41 ... | 73 ... | 63 ... | 113 | 274 | ... | 6 ... | 1 ... | 597 |
| German Measles | 1 ... | 5 ... | 4 ... | 1 ... | 5 | 50 | ... | 1 ... | 0 ... | 80 |
| Totals | 20 ... | 46 ... | 77 ... | 64 ... | 118 | 324 | ... | 7 ... | 1 ... | 677 |

DISTRICT NOTIFICATIONS.

| | Ward 1 | Ward 2 | Ward 3 | Ward 4 | Ward 5 | Ward 6 | Total |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-------|
| Measles | 110 ... | 93 ... | 108 ... | 109 ... | 128 ... | 49 ... | 597 |
| German Measles | 28 ... | 8 ... | 20 ... | 8 ... | 13 ... | 3 ... | 80 |
| Totals | 138 ... | 101 ... | 128 ... | 117 ... | 141 ... | 52 ... | 677 |

Sporadic cases occurred to the number of 26 until the beginning of March, when the disease assumed epidemic form, 22 notifications being received for the week ending the 3rd of March. The number of notifications for the subsequent weeks were 12, 51, 24, 58, 24, 41, 36, 42, 57, 49, 49, 48, 40, 27, 23, 13, 13, the last for the week ending 30th June, when the epidemic subsided, only 27 further cases being notified to the end of the year, most of the latter were contracted outside the district.

The highest total for any one week was 58, for the week ending the 31st March. This total was nearly reached for the week ending 5th May, when 57 notifications were received.

The monthly totals were March 160, April 153, May 227, and June 84.

The height of the epidemic was reached in May.

In all 597 cases of Measles and 80 cases of German Measles, a total of 677 were notified.

393 notifications were received from medical practitioners. Medical aid was obtained in a good proportion of the other cases.

138 of the cases occurred in Ward 1, 101 in Ward 2, 128 in Ward 3, 117 in Ward 4, 141 in Ward 5, and 52 in Ward 6.

398 cases occurred in school children. These were distributed as follows:—Athey Street 44, St. Peter's 43, Christ Church 43, Byron Street 37, St. Paul's 37, St. George's 36, Daybrook Street 28, Mill Street 24, Duke Street 22, Beech Lane 20, St. Alban's 17, High School (including two teachers) 15, Broken Cross 10, Crompton Road 10, Grammar School 6, Outside schools 5, and Industrial School 1.

309 of the 597 cases of Measles, or 51.7 per cent., were under 5 years of age.

118 of the cases occurred in children between 4 and 5 years of age, of these 68 attended school.

In all 257 cases were under school age, and 22 were over school age.

Death resulted in 3 cases, 2 in children between 1 and 2 years of age, and 1 in a child aged 2 years.

The deaths occurred in Nos. 2, 5 and 6 Wards.

In attempting to deal with this epidemic which was explosive in its onset, it was not considered desirable to close the public elementary schools. The teachers were warned of the presence of the disease and asked to promptly send home any suspicious case and notify it to the Health Office forthwith.

Our Health Visitors were taken off the routine work of infant visiting and required to visit and advise the parents of cases notified. The Health Committee on April 5th, resolved that when the accommodation permits a limited number of cases of Measles should be received into the Isolation Hospital when the Medical Officer of Health considers the home conditions unsatisfactory.

The question of obtaining additional nursing help for home treatment was considered, but it was almost impossible to obtain extra nursing help owing to war conditions.

I trust in the event of any future epidemics we shall be able to get two or three nurses to visit the homes and **help in the actual nursing** of the cases, a work which our Health Visitors are not expected nor encouraged to undertake.

CANCER.

| | |
|--|----|
| Number of deaths from Cancer 1917 | 52 |
| " " 1916 | 32 |
| Average annual number of deaths for the last 10 years | 38 |

This is a large increase in the number of deaths from this terrible disease, and I would again most earnestly call attention to the well proved fact that cancer in its **earliest** stage is curable by free local removal and that it cannot be too strongly impressed on sufferers that their best hope of cure is to consult a doctor on the first suspicion of cancer.

When the disease is advanced the chance of recovery is enormously diminished if not lost.

SCHOOL CLOSURE.

No schools were closed during the year under Article 57 of the Education Code.

NOTIFICATIONS OF DISEASES BY SCHOOL
TEACHERS.

234 notifications were received by the Medical Officer of Health
against 188 last year

| | |
|-------------------------------|-------|
| Measles | 212 |
| Chickenpox | 14 |
| Ringworm | 1 |
| Sore Throat and Mumps | 4 |
| Suspected Scarlet Fever | 2 |
| Sores on Body | 1 |
| | <hr/> |
| | 234 |
| | <hr/> |

NOTIFICATION OF INFECTIOUS DISEASES.

DISEASES NOTIFIABLE UNDER THE INFECTIOUS
DISEASES (NOTIFICATION) ACT, 1889, AND THE
PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912

| | Small-pox. | Scarlatina. | Diphtheria | Membranous Croup. | Typhus Fever. | Typhoid Fever. | Continued Fever. | Puerperal Fever. | Acute Polyomyelitis & Cerebro-Spinal F. | Ophthalmia Neonatorum. | Pulmonary Tuberculosis. | Other Forms. | Totals. |
|------|------------|-------------|------------|-------------------|---------------|----------------|------------------|------------------|--|---------------------------|----------------------------|--------------|---------|
| 1886 | ... | 42 | 2 | ... | 2 | 19 | 1 | ... | ... | ... | ... | ... | 66 |
| 1887 | ... | 639 | 8 | ... | ... | 44 | 8 | 2 | ... | ... | ... | ... | 711 |
| 1888 | 9 | 208 | 2 | ... | 1 | 19 | 10 | 4 | ... | ... | ... | ... | 153 |
| 1889 | ... | 144 | ... | ... | ... | 17 | 12 | ... | ... | ... | ... | ... | 173 |
| 1890 | ... | 98 | ... | ... | ... | 7 | 2 | 2 | ... | ... | ... | ... | 109 |
| 1891 | ... | 38 | 2 | ... | ... | 14 | 1 | 1 | ... | ... | ... | ... | 56 |
| 1892 | 1 | 51 | 2 | ... | ... | 14 | 3 | ... | ... | ... | ... | ... | 71 |
| 1893 | 6 | 250 | 5 | ... | ... | 13 | 2 | ... | ... | ... | ... | ... | 277 |
| 1894 | 4 | 42 | 5 | 1 | ... | 17 | 2 | 6 | ... | ... | ... | ... | 80 |
| 1895 | ... | 31 | 117 | 22 | ... | 29 | ... | 1 | ... | ... | ... | ... | 178 |
| 1896 | ... | 28 | 227 | ... | ... | 22 | ... | 2 | ... | ... | ... | ... | 280 |
| 1897 | ... | 62 | 36 | 1 | ... | 36 | ... | 1 | ... | ... | ... | ... | 135 |
| 1898 | ... | 268 | 20 | ... | ... | 46 | ... | ... | ... | ... | ... | ... | 353 |
| 1899 | ... | 303 | 14 | ... | ... | 35 | ... | 1 | ... | ... | ... | ... | 351 |
| 1900 | 1 | 50 | 16 | ... | ... | 62 | ... | 1 | ... | ... | ... | ... | 156 |
| 1901 | 1 | 28 | 24 | ... | ... | 20 | ... | 1 | ... | ... | ... | ... | 73 |
| 1902 | ... | 126 | 12 | 2 | ... | 26 | ... | 5 | ... | ... | ... | ... | 196 |
| 1903 | 20 | 141 | 20 | ... | ... | 21 | ... | 4 | ... | ... | ... | ... | 282 |
| 1904 | 49 | 56 | 7 | 1 | ... | 12 | ... | 4 | ... | ... | ... | ... | 176 |
| 1905 | 6 | 103 | 12 | 2 | ... | 13 | ... | 5 | ... | ... | ... | ... | 177 |
| 1906 | ... | 394 | 20 | 1 | 1 | 13 | ... | 1 | ... | ... | ... | ... | 430 |
| 1907 | ... | 66 | 46 | 1 | ... | 11 | ... | 3 | ... | ... | ... | ... | 127 |
| 1908 | ... | 55 | 39 | ... | ... | 9 | ... | ... | ... | ... | ... | ... | 103 |
| 1909 | ... | 173 | 14 | ... | ... | 24 | ... | 5 | ... | ... | ... | ... | 216 |
| 1910 | ... | 284 | 16 | ... | ... | 15 | ... | 4 | ... | ... | ... | ... | 319 |
| 1911 | ... | 258 | 14 | ... | ... | 24 | ... | 6 | ... | 6 | ... | ... | 308 |
| 1912 | ... | 289 | 19 | ... | ... | 9 | ... | ... | ... | 2 | 86 | ... | 405 |
| 1913 | ... | 296 | 23 | ... | ... | 31 | ... | ... | ... | 5 | 80 | 53 | 488 |
| 1914 | ... | 131 | 38 | ... | ... | 10 | ... | 4 | ... | 4 | 62 | 29 | 278 |
| 1915 | ... | 65 | 19 | ... | ... | 7 | ... | 3 | ... | 3 | 65 | 29 | 191 |
| 1916 | ... | 52 | 40 | ... | ... | 3 | ... | 1 | ... | 4 | 70 | 23 | 193 |
| 1917 | ... | 35 | 27 | ... | ... | ... | ... | ... | ... | 10 | 59 | 14 | 145 |

NOTIFICATIONS IN MACCLESFIELD FOR
THE YEAR ENDED 31st DECEMBER, 1917

Classified in Age Periods and compared with the previous year.

| Diseases. | Under 1 yr. | 1-5 | 5-15 | 15-25 | 25-45 | Over 65 45-65 yrs. | Total | Last year |
|------------------------------------|----------------|-----|------|-------|-------|-----------------------|-------|--------------|
| Scarlet Fever ...— | 9 | 21 | 5 | — | — | — | 35 | 52 |
| Diphtheria— | 10 | 13 | 2 | 2 | — | — | 27 | 40 |
| Enteric Fever ...— | — | — | — | — | — | — | — | 3 |
| Puerperal Fever — | — | — | — | — | — | — | — | 1 |
| Ophthalmia Neon- atorum .....10 | — | — | — | — | — | — | 10 | 4 |
| Erysipelas— | 1 | — | 1 | 6 | 6 | — | 14 | 10 |
| Tuberculosis :— | | | | | | | | |
| Pulmonary ...— | — | 5 | 11 | 34 | 6 | 3 | 59 | 70 |
| Other Forms ... 1 | 2 | 4 | 3 | 3 | 1 | — | 14 | 23 |
| Measles .....19 | 290 | 274 | 7 | 6 | 1 | — | 597 | 12 |
| German Measles 1 | 15 | 48 | 15 | 1 | — | — | 80 | 12 |
| Totals .....31 | 327 | 365 | 44 | 52 | 14 | 3 | 836 | 227 |
| Last year ...13 | 48 | 60 | 37 | 43 | 22 | 4 | 227 | — |

DISTRICT NOTIFICATIONS, 1917.

| Diseases. | Ward 1 | Ward 2 | Ward 3 | Ward 4 | Ward 5 | Ward 6 | To'tl | Last year. |
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-------|---------------|
| Scarlet Fever | 13 | 2 | 14 | 4 | 1 | 1 | 35 | 52 |
| Diphtheria | 1 | 4 | 6 | 10 | 5 | 1 | 27 | 40 |
| Enteric Fever | — | — | — | — | — | — | — | 3 |
| Puerperal Fever ... | — | — | — | — | — | — | — | 1 |
| Ophthalmia Neona- torum | — | 1 | 1 | 2 | 5 | 1 | 10 | 4 |
| Erysipelas | 2 | 3 | 2 | 1 | 6 | 0 | 14 | 10 |
| Tuberculosis :— | | | | | | | | |
| Pulmonary | 6 | 18 | 12 | 6 | 9 | 8 | 59 | 70 |
| Other Forms | 3 | 2 | 6 | 2 | 1 | — | 14 | 23 |
| Measles | 110 | 93 | 108 | 109 | 128 | 49 | 597 | 12 |
| German Measles ... | 28 | 8 | 20 | 8 | 13 | 3 | 80 | 12 |
| Totals | 163 | 131 | 169 | 142 | 168 | 63 | 836 | 227 |
| Last year | 40 | 57 | 54 | 30 | 25 | 21 | 227 | — |

NOTES ON INFECTIOUS DISEASE.

The figures for 1917 show that :—

1. The notifications for Scarlet Fever are the lowest since 1901, when 28 cases were reported.
2. The combined total notifications of Scarlet Fever and Diphtheria (62) is also the lowest since the same year—1901—with a combined total of 52, although taken separately several years have a lower return for Diphtheria.
3. It is the first year, since the introduction of compulsory notification in 1882, without a single case of Typhoid Fever being notified, and thus creates a record in this respect. The combined total of Scarlet Fever, Diphtheria and Typhoid Fever is the lowest since 1891, when the total notifications of these three diseases was 55.
4. The figures for Tuberculosis are the most favourable since complete notification was instituted in 1913.

There were not any deaths from Scarlet Fever, there were 3 from Measles and 5 from Diphtheria, 3 in cases removed to hospital and 2 in cases nursed at home. For Diphtheria the fatality rate was 18.5 per cent. notified, against 10 per cent. for 1916 and 21 per cent. for 1915.

BACTERIOLOGICAL EXAMINATIONS.

| | Specimens sent. | No. Positive Result. |
|---------------------|-----------------|----------------------|
| Diphtheria | 100 | 29 |
| Typhoid Fever | 3 | 0 |

THE ISOLATION HOSPITAL.

There were in hospital, January 1st, 1917 :—

| | |
|--------------------|----------|
| Scarlet Fever..... | 12 cases |
| Diphtheria | 6 „ |

Admitted during 1917, 45 cases, viz. :—

| | | |
|--------------------|----------|--|
| Scarlet Fever..... | 27 cases | { 22 Borough Cases { 5 Rural Cases |
| Diphtheria | 18 cases | { 12 Borough Cases { 5 Rural Cases { 1 Bollington Case |

There were no return cases of Scarlet Fever.

Four deaths occurred during the year, all from Diphtheria.

- (1) (Rural case), female, 2 years of age, admitted Jan. 5th, and died next day.
- (2) Female, 4 years of age, admitted 2 p.m. Jan. 27th, died 5 a.m. Jan. 28th.
- (3) Female, 8 years of age, admitted Dec. 4th, died within five hours of admission.
- (4) Female, aged 4 years, admitted Dec. 22nd, and died on Dec. 29th, with severe hæmorrhage from nose and throat.

REMOVALS TO HOSPITAL.

| Diseases. | Ward 1 | Ward 2 | Ward 3 | Ward 4 | Ward 5 | Ward 6 | Total |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-------|
| Scarlet Fever..... | 10 | 2 | 6 | 1 | 1 | 1 | 21 |
| Diphtheria | 1 | 2 | 2 | 3 | 2 | 1 | 11 |
| Totals | 11 | 4 | 8 | 4 | 3 | 2 | 32 |

COST OF THE HOSPITAL.

| | £ | s | d |
|------------------------------------|-------|----|----|
| Total expenditure during 1917..... | 1374 | 15 | 7 |
| Total income received 1917..... | 327 | 14 | 11 |
| Nett expenditure | £1047 | 0 | 8 |
| Nett expenditure 1916 | £845 | 0 | 3 |

COST OF FOOD.

The cost for food per day for staff and patients was One shilling and sixpence per head, compared with One shilling and twopence per head in 1916.

The responsibility of providing food has been greater during the year and the prices were rising continuously. I think great credit is again due to our Matron, Miss Chapman, for the satisfactory and economical way in which she has managed this part of her work.

THE SANATORIUM.

The three male patients who were in the Sanatorium on January 1st, 1917, were discharged on the 20th of the same month and from that date no more cases were admitted.

I am indebted to the courtesy of the Borough Controller (Mr. Herringshaw) for the figures dealing with the cost of the Hospital.

MACCLESFIELD CORPORATION ISOLATION HOSPITAL.

Statement of Income and Expenditure for the year ended 31st Dec., 1917. Expenditure.

| | £ | s | d | £ | s | d |
|--|-----|----|----|-----|----|----|
| WAGES— | | | | | | |
| Matron | 85 | 6 | 8 | | | |
| Nurses and Probationers | 145 | 15 | 9 | | | |
| Maids, &c. | 107 | 10 | 0 | | | |
| Removing cases | 6 | 1 | 6 | | | |
| Porter | 85 | 5 | 6 | | | |
| War Bonus | 18 | 3 | 7 | | | |
| | | | | 448 | 3 | 0 |
| Groceries..... | 166 | 18 | 9 | | | |
| Bread, &c. | 48 | 8 | 7 | | | |
| Butchers' Meat | 133 | 4 | 4 | | | |
| Fish, &c. | 15 | 14 | 6 | | | |
| Vegetables, &c. | 30 | 13 | 9 | | | |
| Milk and Eggs | 89 | 5 | 6 | | | |
| Soap, &c. | 3 | 10 | 0 | | | |
| | | | | 487 | 15 | 5 |
| Drugs and Appliances | 11 | 16 | 11 | | | |
| Antitoxins | 3 | 12 | 11 | | | |
| | | | | 15 | 9 | 10 |
| Mats, Rugs, Carpets, &c. | | | | 3 | 1 | 6 |
| Tablecloths, Bedding, Towels, &c. | | | | 23 | 17 | 8 |
| Nurses' Uniforms | | | | 15 | 6 | 4 |
| Coal | 87 | 13 | 0 | | | |
| Coke | 93 | 15 | 10 | | | |
| Gas | 32 | 9 | 2 | | | |
| Water | 8 | 10 | 0 | | | |
| | | | | 222 | 8 | 0 |
| Repairs to Buildings | 1 | 7 | 2 | | | |
| Furniture and Repairs | 1 | 14 | 1 | | | |
| Utensils and Repairs | 7 | 8 | 6 | | | |
| Joiners' Work | 0 | 5 | 3 | | | |
| Smiths' Work | 1 | 2 | 9 | | | |
| Plumbers' Work | 12 | 15 | 3 | | | |
| Boiler Repairs | 0 | 11 | 9 | | | |
| | | | | 25 | 4 | 9 |
| Draining, &c. | | | | 0 | 13 | 11 |
| External Painting | | | | 16 | 13 | 8 |
| Poor Rate | 13 | 6 | 4 | | | |
| District Rate | 6 | 9 | 4 | | | |
| Income Tax | 2 | 5 | 5 | | | |
| Ambulance Insurance Premium | 2 | 2 | 6 | | | |
| Steam Disinfector Premium | 1 | 5 | 0 | | | |

| Expenditure (Continued). | | | | | | £ | s | d | £ | s | d |
|--|--|--|--|--|--|-----|----|---|-------|----|----|
| Septennial Fire Premium | | | | | | 8 | 8 | 4 | | | |
| Workmens Compensation Premium | | | | | | 10 | 6 | 8 | | | |
| Air Craft Premium | | | | | | 5 | 3 | 1 | | | |
| | | | | | | | | | 49 | 6 | 8 |
| National Health Insurance | | | | | | | | | 8 | 13 | 4 |
| Printing and Stationery | | | | | | | | | 4 | 8 | 5 |
| Advertising | | | | | | | | | 4 | 18 | 9 |
| Horse Hire..... | | | | | | | | | 26 | 0 | 10 |
| Ambulance Repairs | | | | | | | | | 0 | 14 | 0 |
| Postage Stamps | | | | | | | | | 1 | 10 | 0 |
| Telephone Subscription | | | | | | | | | 6 | 0 | 0 |
| Fees for Nurses attending Physiology Classes..... | | | | | | | | | 0 | 10 | 0 |
| Law Charges re Grant of Easement to lay sewer..... | | | | | | | | | 6 | 2 | 6 |
| Sundries | | | | | | | | | 7 | 17 | 0 |
| | | | | | | | | | £1374 | 15 | 7 |
| Income. | | | | | | £ | s | d | | | |
| Rent of Field adjoining Hospital..... | | | | | | | | | 5 | 0 | 0 |
| Reservation Fees :— | | | | | | £ | s | d | | | |
| Macclesfield R.D.C. | | | | | | 100 | 0 | 0 | | | |
| Bollington U.D.C. | | | | | | 30 | 13 | 4 | | | |
| | | | | | | | | | 130 | 13 | 4 |
| Nursing Fees :— | | | | | | | | | | | |
| Macclesfield R.D.C. | | | | | | 154 | 2 | 1 | | | |
| Bollington U.D.C. | | | | | | 23 | 5 | 0 | | | |
| Macclesfield Guardians | | | | | | | | | | | |
| Military Authorities per Officer Commanding 2nd Western General Hospital..... | | | | | | 8 | 12 | 0 | | | |
| | | | | | | | | | 185 | 19 | 1 |
| Sale of Old Stoves and Bedsteads | | | | | | | | | 1 | 0 | 0 |
| ,, Water Tanks | | | | | | | | | 3 | 0 | 0 |
| ,, Old Ambulance | | | | | | | | | 1 | 0 | 0 |
| Sundry Receipts | | | | | | | | | 1 | 2 | 6 |
| | | | | | | | | | 327 | 14 | 11 |

J. W. HERRINGSHAW,

Borough Accountant.

10th Sept., 1918.

THE DISINFECTOR.

(Thresh's Current Super-heated Steam Type).

| | |
|---|------|
| Number of Beds disinfected by Steam..... | 213 |
| Number of counterpanes, blankets, &c..... | 868 |
| Number of articles of clothing..... | 2330 |
| <hr/> | |
| Total | 3411 |
| Last year | 4993 |
| <hr/> | |

THE MORTUARY.

| | |
|--|---|
| Number of bodies removed to the Mortuary during the year..... | 5 |
| Number of post-mortems made..... | 1 |

COMMON LODGING-HOUSES.

25,862 nightly lodgings were accommodated in the registered common lodging-houses against 29,439 last year, and 37,639 in 1915.

HOUSING AND TOWN PLANNING ACT, 1909.

No work has been carried out under this Act during the year for the reasons detailed in my Annual Report for 1915.

WATER SUPPLY.

The shortage of water supply to the Borough has engaged the attention of the authorities very considerably during the year. It was thought that a new bore hole in Rulow Hollow should be put down which it was at first said would yield not less than 10,000 gallons per hour, but after further consideration the Engineer consulted thereon was unable to guarantee 10,000 gallons per hour from the new bore hole, but undertook to provide 12,500 gallons per hour from the bore hole and summer flow springs.

This amended condition was not accepted.

It was then decided to consult Dr. Lapworth, of Westminster, London, a Water Engineer Specialist, and he was asked to go over the watershed with a view to advising the Committee as to the best means of obtaining a supply of water. In September Dr. Lapworth visited the existing water works and gathering ground, and later Dr. Lapworth presented a very lengthy report, the general conclusions of which were :—

- (1) The present supply is seriously inadequate.
- (2) It is immediately and pressingly necessary to increase the supply.

- (3) The provision of further reservoir accommodation is the only course open to accomplish these conditions.

In a further Report dealing with the possibility of finding a supply of water from underground sources, Dr. Lapworth concluded he could not recommend the underground rocks of Macclesfield as a source for a new **permanent** supply, as after years of pumping such sources were liable to fail and further, such underground water would need softening.

SCAVENGING AND REFUSE REMOVALS.

Return showing number of loads of Dry Ashes, Nightsoil, Slaughter-house Refuse, &c., removed during the year ended 31st December, 1917, also the cost of removals of the same.

| | | No. of Loads Removed. | Wages. | | | Carting. | | | Total Cost. | | |
|---------------------------------|------|-----------------------------|--------|----|---|----------|----|---|----------------|----|---|
| | | | £ | s | d | £ | s | d | £ | s | d |
| Dry Ashes | 7196 | | 641 | 18 | 1 | 999 | 13 | 6 | 1641 | 11 | 7 |
| Nightsoil | 1691 | | 249 | 0 | 6 | 233 | 19 | 3 | 482 | 19 | 9 |
| Slaughter-house Refuse | 309 |  | ..... |  |  | 60 | 6 | 3 | 60 | 6 | 3 |
| | | 9196 | 890 | 18 | 7 | 1293 | 19 | 0 | 2184 | 17 | 7 |

STREETS SEWERED AND NEW HOUSES ERECTED.

No streets were sewered nor were any new houses erected during the year. 1917.

I have the honour to remain, Gentlemen,

Your obedient Servant,

J. HEDLEY MARSH,

Medical Officer of Health.

TABLE II.

| Cases of Infectious Disease Notified during the year, 1917. | | | | | | | | | | | | | | | Name of District—Macclesfield. | | | | | | | | | | | | | | |
|---|---------------------------|-------------|-----|------|-------|-------|-------|---------|---|--------|--------|--------|--------|--------|--------------------------------|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Notifiable Disease. | Number of Cases Notified. | | | | | | | | Total Cases Notified in each Locality (e.g., Parish or Ward) of the District. | | | | | | | Total (cases removed to Hospital | | | | | | | | | | | | | |
| | At all Ages | Un'dr 1 yr. | 1-5 | 5-15 | 15-25 | 25-45 | 45-65 | Over 65 | Ward 1 | Ward 2 | Ward 3 | Ward 4 | Ward 5 | Ward 6 | | | | | | | | | | | | | | | |
| Diphtheria (including Membranous Croup) ... | 27 | ... | 10 | 13 | 2 | 2 | ... | ... | 1 | 4 | 6 | 10 | 5 | 1 | 11 | | | | | | | | | | | | | | |
| Erysipelas | 14 | ... | 1 | ... | 1 | 6 | 6 | ... | 2 | 3 | 2 | 1 | 6 | ... | ... | | | | | | | | | | | | | | |
| Scarlet Fever | 35 | ... | 9 | 21 | 5 | ... | ... | ... | 13 | 2 | 14 | 4 | 1 | 1 | 21 | | | | | | | | | | | | | | |
| Ophthalmia Neonatorum | 10 | 10 | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 2 | 5 | 1 | ... | | | | | | | | | | | | | | |
| Pulmonary Tuberculosis | 59 | ... | ... | 5 | 11 | 34 | 6 | 3 | 6 | 18 | 12 | 6 | 9 | 8 | ... | | | | | | | | | | | | | | |
| Other Forms of Tuberculosis | 14 | 1 | 2 | 4 | 3 | 3 | 1 | ... | 3 | 2 | 6 | 2 | 1 | ... | ... | | | | | | | | | | | | | | |
| Measles | 597 | 19 | 290 | 274 | 7 | 6 | 1 | ... | 110 | 93 | 108 | 109 | 128 | 49 | ... | | | | | | | | | | | | | | |
| German Measles | 80 | 1 | 15 | 48 | 15 | 1 | ... | ... | 28 | 8 | 20 | 8 | 13 | 3 | ... | | | | | | | | | | | | | | |
| Totals | 836 | 31 | 327 | 365 | 44 | 52 | 14 | 3 | 163 | 131 | 169 | 142 | 168 | 63 | 32 | | | | | | | | | | | | | | |

ANNUAL REPORT
OF THE
INSPECTOR OF NUISANCES FOR 1917.

HEALTH OFFICE,
TOWN HALL,

MACCLESFIELD.

MR. CHAIRMAN AND GENTLEMEN,

I most respectfully beg to submit an abbreviated report on the work done in the Sanitary Inspector's department during the year ending the 31st December, 1917.

Nuisances.. Eighty complaints were received at the Sanitary Office, 246 nuisances were dealt with, 212 of which were satisfactorily abated. The above includes nuisances of almost every conceivable nature, from effluvia emanating from factories to the neglected house gulley.

It was found necessary to send 332 letters and preliminary notices, and take out one summons, in which a Magistrates Order was obtained.

The systematic inspection of Common Lodging Houses, Bake-houses, Dairies, Cowsheds and Milkshops has been regularly carried out.

I have felt it advisable to keep a sharp supervision on Slaughter-houses, Tripe houses and other places where sausages, pies, and meat foods are prepared, as, owing to the great scarcity and high prices, the temptation is more than ordinary to use inferior quality, but I am gratified to say that I have not found anything of a suspicious nature being resorted to.

The following carcasses, etc., were found on inspection to be unfit for human food and were condemned and destroyed, viz.:—two cows, one calf, one sheep, 10 cwt. of cowheels and bellies for tripe and one and a half cwt. of potatoes.

There has been no outbreak of Contagious Disease in Animals during the year. Three cases of Wart Disease in potatoes were reported and dealt with.

Fourteen Canal Boats were inspected and the infringements found on three rectified.

All notices received from the Factory Inspector under the Factory and Workshops Acts have been satisfactorily complied with.

There has not been any complaint under the Shops Acts or the Fabrics Misrepresentation Act.

Thirty-six samples were submitted to the Public Analyst under the Food and Drugs Acts which resulted in six persons being summoned before the Justices for adulterated milk.

The scavenging of the town has been fairly well attended to, especially taking into consideration the scarcity of horses for carting work. The few complaints that have reached the office have received attention the same day.

I remain, Gentlemen,

Your obedient Servant,

WILLIAM JENKINS.

HEALTH OFFICE,

TOWN HALL,

MACCLESFIELD.

SANITARY DEPARTMENT.

I beg respectfully to submit to you the following as a summary of work done by this department during the year ending 31st December, 1917.

| | |
|---|--------|
| Number of Complaints received at Office..... | 80 |
| „ Nuisances entered on the Books..... | 246 |
| „ Nuisances removed..... | 212 |
| „ preliminary notices and letters..... | 332 |
| „ Statutory notices served..... | 12 |
| „ Magistrates orders obtained..... | 1 |
| „ Persons summoned before the Justices | |
| „ for offences under the Public Health Act..... | 1 |
| „ privies and ashpits repaired and improved..... | 2 |
| „ privies converted into water closets..... | 5 |
| „ New Closets built { on W.C. system..... | 5 |
| „ { ... on Waste Water system.... | 0 |
| „ { on privy system..... | 0 |
| „ House drains repaired and cleansed..... | 171 |
| „ Slopstone pipes disconnected from the sewer..... | 0 |
| „ House drains tested with smoke apparatus..... | 22 |
| „ other nuisances (not specified above) abated..... | 95 |
| „ Visits paid to Common Lodging Houses..... | 463 |
| „ Nightly lodgers accommodated at the Common | |
| „ Lodging Houses during the year..... | 25,862 |
| „ Visits paid to Factories and Workshops..... | 48 |
| „ „ Dairies, Cowsheds and Milkshops... | 113 |
| „ „ Registered Slaughtered Houses..... | 255 |
| „ „ Bakehouses | 81 |

| | |
|---|----|
| Number of Visits paid to Tripe dressing places..... | 46 |
| „ „ „ Dirty and overcrowded houses..... | 65 |
| „ Houses inspected in Sanitary Survey..... | 0 |
| „ Tenants caused to cleanse dirty water closets | 90 |

The distribution of Lime wash Brushes and Disinfectants to the poor has been as follows :—

| | |
|---|-------|
| Limewash | 897 |
| Brushes lent for applying same | 545 |
| Disinfectants | 563 |
| Number of Houses specially inspected on account of Infectious Diseases | 286 |
| „ Visits paid to same | 858 |
| „ Notices sent to schools and parents re the Isolation of children where infectious disease exists..... | 754 |
| „ Notices sent to the Librarian, Free Library..... | 46 |
| „ Pails containing Typhoid excrement, removed, disinfected and buried | 0 |
| „ Supplies of Disinfectants specially on account of Infectious Disease | 563 |
| „ Houses fumigated after Infectious Disease | 75 |
| „ „ „ deaths or removal from Phthisis | 22 |
| „ Cases removed to Isolation Hospital (including 13 from outside Districts)..... | 45 |
| „ Contacts removed to Temporary Shelter..... | 0 |
| „ Beds disinfected by steam | 213 |
| „ Pillows „ „ | 462 |
| „ Blankets and Counterpanes „ „ | 868 |
| „ Carpets „ „ | 32 |
| „ Articles of clothing „ „ | 2,298 |
| „ Canal Boats inspected..... | 14 |
| „ Samples taken under the Sale of Food and Drugs Act, &c., submitted to the Borough Analyst, viz. | 36 |

Milk 31, Butter 1, Lard 1, Vinegar 1, Sweet Spirits of Nita 2.

| | |
|--|---|
| Number of Persons proceeded against for offences under the Sale of Food and Drugs Act..... | 6 |
|--|---|

The outbreaks of contagious diseases amongst animals within the Borough have been as follows

| | |
|---|---|
| Number of persons proceeded against for offences under the Contagious diseases Animals Acts | 0 |
|---|---|

Diseased, Unsound, or Unwholesome food seized, and destroyed : the carcasses of two cows, one calf, one sheep, 10 cwts. of cow heels and tripe, and $1\frac{1}{2}$ cwts. of potatoes.

Number of licenses granted for the removal of Swine : 34 for 120
animals.

„ Notices issued for the detention of Swine..... 0

I remain, Gentlemen,

Your obedient Servant,

WILLIAM JENKINS.

CHESHIRE COUNTY COUNCIL.

 TABULAR SUMMARY OF SANITARY WORK DURING
1917.

MACCLESFIELD BOROUGH.

I. Water Supply.

1. Have any extensions been carried out during 1917? If so please append brief note.—No extensions have been made.
2. Number of Samples analysed during 1917 :—Chemically 4 ; bacteriologically 4.
3. **Are any, and if so, what parts of your district still without a proper supply of water?**—Yes. The higher levels of Broken Cross and the higher Buxton Road. There are only a few houses in these areas, however.

II. Sewerage and Sewage Disposal.

1. Specify any new works of sewerage carried out during 1917.—No new works of sewerage have been carried out.
2. **Are any, and if so what, parts of your district still without a proper system of sewers?**—Part of Broken Cross to the west and north of Fallibroome Road, Moss Lane, Ivy Lane.

III. Housing.

1. Number of new houses built during 1917.—None.
2. Number of dwelling-houses inspected **under s. 17 Act of 1909.**—None.
3. Number of such houses considered unfit for habitation.—None.
4. Number of representations made to Local Authority.—None.
5. Number of closing orders made by Local Authority.—None.
6. Number of houses where defects remedied without closing orders being made.—None.
7. Number of houses where defects remedied after closing orders made.—None.
8. Estimated or ascertained number of houses **within limits of rent in s. 14 of Act of 1909.**—5,500.
9. Number of such houses in respect of which notice was served during 1917.—None.
10. Number of such houses closed after notice.—None.

11. Number of such houses where Local Authority has executed necessary repairs, &c.—None.
12. Approximate number of back-to-back houses in district.—150.
13. Approximate number of cellar dwellings in district.—None.

IV. Town Planning.

Has any scheme of Town Planning been put forward during 1917 for your District or any part thereof? If so please make brief note of (a) part of District covered by Scheme.—None.

1.—INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES.

(Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances).

| Premises. | No. of Inspections. | No. of Written Notices. | No. of Prosecutions |
|---|---------------------|-------------------------|---------------------|
| Factories: (Including Factory Laundries) | 13 | ... | 1 |
| Workshops: (Including Workshop Laundries) | 23 | ... | 2 |
| Workplaces: (Other than Out-workers' premises included in Part 3 of this Report)..... | 12 | ... | 6 |
| Total | 48 | ... | 9 |

2.—DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

| Particulars. | No. of Defects. | |
|--|-----------------|-----------|
| | Found. | Remedied. |
| Nuisances under the Public Health Acts:— | | |
| Want of cleanliness | 1 | 1 |
| Want of ventilation..... | 1 | 1 |
| Want of drainage of floors | 1 | 1 |
| Other Nuisances | 2 | 2 |
| Sanitary accommodation:— | | |
| Unsuitable or defective | 4 | 4 |
| Total | 9 | 9 |

3.—HOME WORK.
OUTWORKERS' LISTS, SECTION 107.

| Nature of Work. | Lists received from Employers. | | | | | | | | | | |
|--------------------|--------------------------------|--------------------|---------------|------------------------------|--------|--------------------|---------------|-----|---|-----|----|
| | Sending twice in the year. | | | Sending once in the year. | | | | | | | |
| | Outworkers | | | Outworkers | | | | | | | |
| | Lists | Contract- tors. | Work- men. | | Lists. | Contract- tors. | Work- men. | | | | |
| Wearing Apparel :— | | | | | | | | | | | |
| Making, &c. | 2 | ... | — | ... | 20 | ... | 2 | ... | 2 | ... | 11 |
| Total | 2 | ... | — | ... | 20 | ... | 2 | ... | 2 | ... | 11 |

4.—REGISTERED WORKSHOPS.

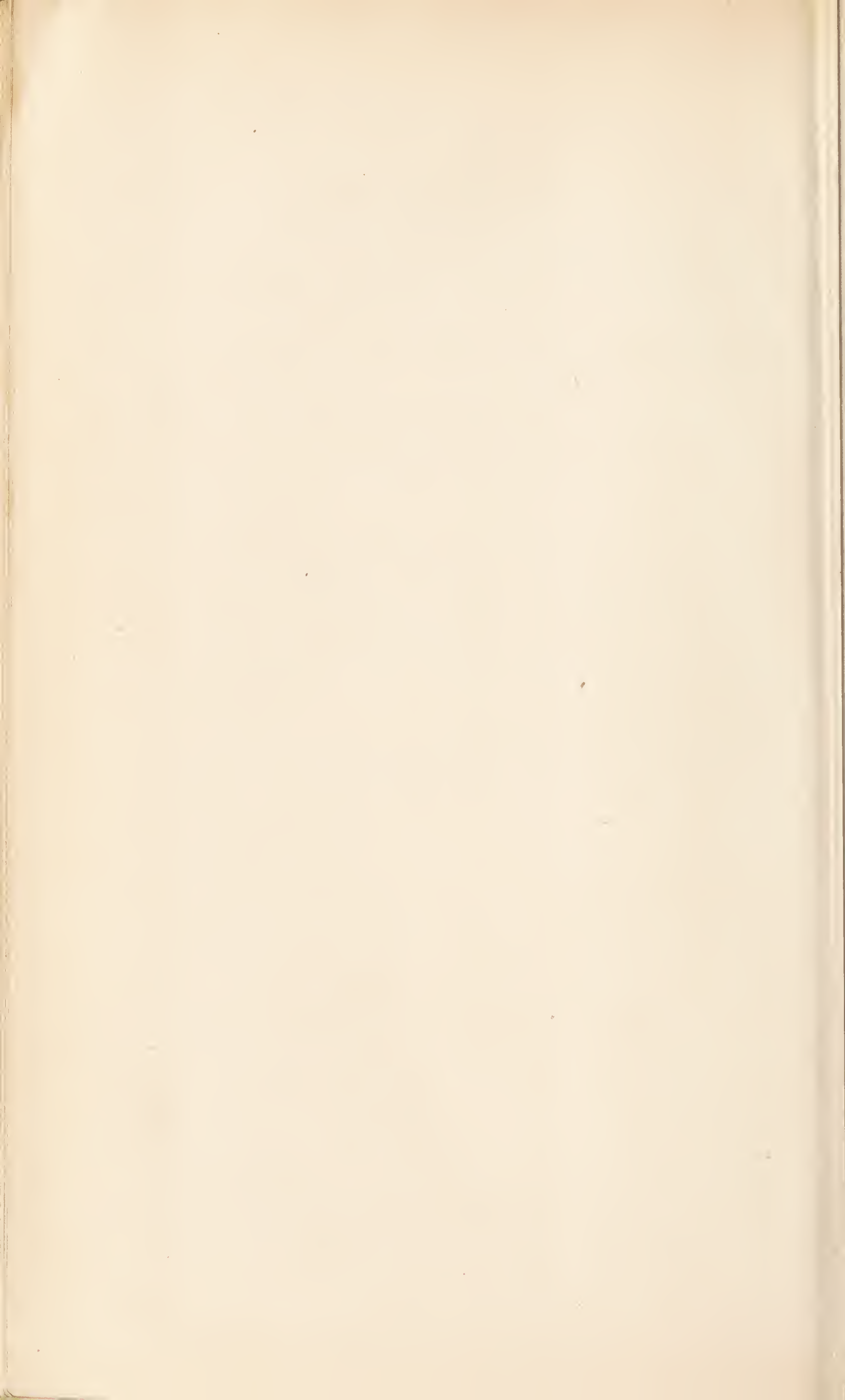
Workshops on the Register (s. 131) at the end of the year.

| | No. |
|------------------------|-----|
| Bread Bakers..... | 25 |
| Confectioners | 15 |
| Dressmakers | 26 |
| Milliners | 29 |
| Tailors..... | 14 |
| Silk Weavers..... | 8 |
| Clog Makers | 6 |
| Tinplate Workers..... | 7 |
| Cabinet Makers..... | 6 |
| Brush Makers..... | 4 |
| Boot Makers..... | 14 |
| Stone Masons..... | 3 |
| Saddlers | 3 |
| Bottling | 2 |
| Boxmaking..... | 3 |
| Carriage Building..... | 2 |
| Joiners' Shops..... | 4 |
| Knitting | 2 |
| Skipmaking | 2 |
| Wheelwrights..... | 3 |
| Builders' Shops..... | 4 |
| Copper Smiths..... | 2 |
| Cycle Repairers..... | 3 |
| Marine Stores..... | 3 |

| | No. |
|--|-----|
| Paper Stock..... | 2 |
| Rope Makers..... | 2 |
| Card Cutting..... | 4 |
| Machine and Shoeing Smiths..... | 1 |
| Mechanical Engineer..... | 2 |
| Hand Laundry | 1 |
| Working up of Ladies' Wearing Apparel..... | 2 |
| Motor Repairing | 2 |
| Total | 206 |

5.—OTHER MATTERS.

| Class. | Number |
|---|--------|
| Matters notified to H.M. Inspector of Factories :— | |
| Failure to affix Abstract of the Factory and Workshop Act (s. 133) | 0 |
| Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5) :— | |
| Notified by H.M. Inspector | 1 |
| Reports (of action taken) sent to H.M. Inspector..... | 1 |



CHESHIRE COUNTY COUNCIL.

General Order of Local Government Board (Medical Officer of Health and Inspectors of Nuisances) December 13th, 1910.

Tabular Statement of Inspector of Nuisances for the Year ended December 31st, 1917.

| A. Number and Nature of Inspections made. | B. No. of Notices Served. | | | C. Result of Service of Notices | |
|--|------------------------------|------------|-----------|------------------------------------|--------------------|
| | Number. | Statutory. | Informal. | Notice com-plied with. | Remaining in hand. |
| 1. Dwelling Houses (general inspections) | 0 | 0 | 0 | 0 | 0 |
| 2. Cellar Dwellings..... | 0 | 0 | 0 | 0 | 0 |
| 3. Back-to-Back Houses | 0 | 0 | 0 | 0 | 0 |
| 4. Tents, Vans, Sheds, &c. | 4 | 0 | 0 | 0 | 0 |
| 5. Courts, Yards, Passages | No account kept. | | | | |
| 6. Privy-Middens, Earth or Pail Closets | 155 | 1 | 35 | 35 | 1 |
| 7. Cesspools | 8 | 0 | 2 | 2 | 0 |
| 8. House Drainage | 342 | 5 | 157 | 160 | 2 |
| 9. Ditches, Watercourses, &c. | 12 | 0 | 5 | 5 | 0 |
| 10. Offensive Accumulations | 223 | 1 | 62 | 62 | 1 |
| 11. The Keeping of Animals (P.H.A. 1875. S. 91 (3)) | 23 | 0 | 3 | 3 | 0 |
| 12. Offensive Trades | 32 | 1 | 3 | 3 | 1 |
| 13. (a) Slaughterhouses (Public) | None. | | | | |
| " (Private) | 255 | 0 | 3 | 3 | 0 |
| (b) Other Places where Food is produced or sold | 155 | 0 | 18 | 18 | 0 |
| 14. Piggeries | 17 | 0 | 3 | 3 | 0 |
| 15. (a) Dairies | 6 | 0 | 0 | 0 | 0 |
| (b) Cowsheds | 74 | 0 | 3 | 3 | 0 |
| (c) Milkshops | 39 | 0 | 0 | 0 | 0 |
| 16. (a) Factories | 16 | 0 | 4 | 4 | 0 |
| (b) Workshops | 24 | 0 | 5 | 5 | 0 |
| (c) Workplaces | 8 | 0 | 0 | 0 | 0 |
| (d) Outworkers' Premises | 6 | 0 | 2 | 2 | 0 |
| 17. Bakehouses (Overground) | 81 | 0 | 0 | 0 | 0 |
| " (Underground) | 2 | 0 | 0 | 0 | 0 |
| 18. Common Lodging Houses | 463 | 0 | 0 | 0 | 0 |
| 19. Houses let in Lodgings | None Registered. | | | | |
| 20. Smoke Observations | 19 | 1 | 1 | 2 | 0 |
| 21. Canal Boats | 14 | 0 | 2 | 2 | 0 |
| 22. Infectious Disease Inquiries and Revisits..... | 858 | 0 | 0 | 0 | 0 |
| 23. Miscellaneous | 95 | 3 | 24 | 15 | 12 |
| Totals | 2931 | 12 | 332 | 327 | 17 |

(Signed) WILLIAM JENKINS,

Inspector of Nuisances.

